
COMPUTER SET, DIGITAL: OL-591/TYQ (SAMS-2 (2-USER) CONFIG)
LIN: C18718 NSN: 7010-01-420-4976 EIC: QTR
PREVENTIVE MAINTENANCE CHECKS AND SERVICES

Maintenance Level
Operator

INTRODUCTION

General

Preventive Maintenance Checks and Services (PMCS) are performed to keep the system in operating condition. The checks are used to find, correct, or report problems. SAMS-2 operators are to do the PMCS jobs as shown in the PMCS table. PMCS are done every day the system is operated, using the PMCS table. Pay attention to WARNING and CAUTION statements. A WARNING means someone could be hurt. A CAUTION means equipment could be damaged.

Operators are not allowed to perform PMCS internally to any hardware.

Before you begin operating the system, do Before PMCS.

During operation, do During PMCS.

After operation, do After PMCS.

Once a week do Weekly PMCS. If the system has not been operated in a week also do Before PMCS at the same time.

Do Monthly PMCS once a month. If the system has not been operated in a month also do After PMCS at the same time.

If you are operating the system for the first time, do Weekly and Monthly PMCS the first time you do your Before PMCS.

If you find a fault when performing PMCS, repair it if you can, using both troubleshooting procedures and maintenance procedures.

The right-hand column of the PMCS table lists conditions that make the system not fully mission capable. Write up items not fixed on DA Form 2404/5988-E, Equipment Inspection and Maintenance Worksheet, for unit maintenance. For further information on how to use this form, see DA PAM 738-750.

If tools required to perform PMCS are not available, notify unit maintenance.

INSPECTION

Look for signs of a problem or trouble. Senses help here. You can feel, smell, hear, or see many problems. Be alert when operating the system.

Inspect to see if items are in good condition. Are they correctly assembled, stored, secured, excessively worn, or corroded? Correct any faults found, document on a DA Form 2404/5988-E, and notify unit maintenance. There are some common items to check all over the system. They include the following:

1. Bolts, clamps, nuts, and screws: Continuously check for looseness. Look for chipped paint, bare metal, rust or corrosion around bolt and screw heads and nuts. Tighten them when you find them loose. If tools are not available, notify unit maintenance.

2. Welds: The cases of the system are welded. To check these welds, look for chipped paint, rust, corrosion, or gaps. When these faults exist document on a DA Form 2404/5988-E, and notify unit maintenance.

3. Electrical wires, connectors, and harnesses: Tighten loose connectors. Look for cracked or broken insulation, bare wires, and broken connectors. If faults are found document on a DA Form 2404/5988-E, and notify unit maintenance.

CLEANING

CAUTION

Follow all cleaning instructions carefully. Failure to do so can result in damage to equipment.

WARNING

Do not clean the cases or chassis when electrical power is applied. Disconnect all power cables.

Proper cleaning can aid in avoiding maintenance faults or trouble, so make it a habit to do the following:

1. Use a damp (water), lint-free cloth to clean the system unit and monitor. Avoid abrasives or solvents; they can permanently damage the finish.

2. Use a soft cloth and window cleaner to clean the monitor screen.

3. All floppy disk drives and tape drives should be cleaned periodically. Cleaning kits are available from a variety of sources. Carefully follow the instructions supplied with the cleaning kit you use.

4. Operating a system in a dusty or dirty environment significantly shortens its life and increases the probability of failure.

5. If you spill liquid inside the keyboard, unplug the keyboard immediately and turn it upside down to allow the liquid to drain out. Let the keyboard dry overnight before attempting to use it again. If it fails to work after drying document on a DA Form 2404/5988-E, and notify unit maintenance.

OPERATION

CAUTION

If your system is to be operated in cold weather and has been stored for an extended period, allow the system unit and monitor to warm up to room temperature. Exposing a cold computer to a warm room causes condensation that could damage the system. If condensation forms, wait for it to dry before plugging in the system.

The system requires good ventilation. Place it where air can circulate freely around it, and avoid locations in direct sunlight or near heaters or lamps. Never block the cooling fan opening. Avoid locations with high levels of dirt, dust, or smoke.

CAUTION

To prevent fire or shock hazard, do not expose the computer to rain, snow, or moisture.

Check the transit cases and computer/monitor chassis for damage. If the cases/chassis are damaged notify unit maintenance.

Make sure your computer is unplugged before connecting any peripherals, i.e., printers, monitors, and keyboards.

CAUTION

It is recommended that a surge/spike protector be used to help safeguard your equipment against any dangerous irregularities in the AC line. Uninterruptible power supplies are to be used, where provided, to protect against power loss.

CAUTION

Ensure that the equipment is connected to the correct power source. Failure to do so can result in damage to the hardware.

Procedures outlined are in accordance with the original equipment manufacturer (OEM) manuals for the hardware.

The functions and processes outlined are in accordance with the Standard Army Maintenance System Level 2 (SAMS-2) End User Manual (EUM) AISM 25-L26-AHO-ZZZ-EM, dated 1 June 1997.

Only those functions and processes that are applicable to a unit's mission are to be evaluated.

Table 1. Preventive Maintenance Checks and Services.

ITEM NO.	INTERVAL	MAN-HOUR	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
				NOTE Crew will inspect for damaged or missing items while performing checks.	
1	Before		Server and Workstation Central Processing Unit (CPU) Chassis, Exterior	Check for damaged or missing items.	Any damaged or missing items that will prevent operation
2	Before		Cables	Check for loose cables. Check for frayed or damaged cables.	Any loose or damaged cables that will prevent operation
3	Before		Monitor(s)	Check for damage to exterior. Check screen for scratches. Check cables for damaged or bent pins.	Any damage or scratches that will prevent operation or block vision
4	Before		Printer(s)	Check for damaged to exterior. Check for damage to connectors. Check for damaged or worn ribbon. 1. Make sure all pin rollers and gears operate smoothly. 2. Make sure paper will feed in properly. 3. Make sure all buttons operate properly.	Any item that will prevent operation
5	Before		Keyboard(s)	Check for damage to exterior. Check for damage to any keys. Check for damage to cable.	Any item that will prevent operation
6	Before		MODEM(s)	Check for damage to exterior. Check cables for damaged or bent pins.	Any item that will prevent operation
7	Before/After Monthly		Floppy Disk Drive(s)	Perform floppy drive cleaning procedures.	Any item that will prevent operation
8	Before/After Monthly		Tape Drive(s)	Perform tape drive cleaning procedures.	Any item that will prevent operation
9	During		Power-up Procedures	Perform OEM/EUM hardware power up procedures for all items to include peripheral devices (i.e., Printer(s), and MODEM).	Unable to power-up the CPU or monitor
10	During		Session Initialization	Perform Session Initialization procedures.	Unable to initialize session or sign-on
11	During		Inquiry Activity Process	Perform the Ad Hoc Inquiry Procedures. Perform the Define User Files procedures. Perform the MUF Inquiry procedures. Perform the Open WO Inquiry procedures. Perform the Closed Work Order Inquiry procedures.	Unable to complete the Inquiry Activity Process.
12	During		INOP Equipment		

ITEM NO.	INTERVAL	MAN-HOUR	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
13	During		Activity Processes	Perform the Inop Equipment – Add procedures. Perform the Inop Equipment – Modify procedures. Perform the Inop Equipment – Delete procedures. Perform the Inop Equipment Parts Maintenance procedures. Perform the Inop Equipment Support/Evac Status Update procedures. Perform the List/Correct Inop Transfer Errors procedures. Perform the Input Alternative for DA Form 5409 and 5410 procedures. Perform the Support-Only Inop Reporting procedures. Perform the ULLS/SAMS-1 Inop Interface procedures.	Unable to complete the INOP Equipment Activity Processes.
14	During		Report Activity Processes	Perform the Reportable Items procedures. Perform the Completed Work Order Summary procedures. Perform the Workload procedures. Perform the Work Order Parts procedures. Perform the Maintenance Performance procedures. Perform the Maintenance Cost procedures. Perform the Operational Readiness Float procedures.	Unable to complete the Report Activity Processes.
15	During		Input Output Activity Processes	Perform the Manhour Accounting procedures. Perform the Diskette/Comm Transfer and Update procedures.	Unable to complete the Input Output Activity Processes.
16	During		Master Files Activity Processes	Perform the Input/Output Related procedures. Perform the Lookup procedures. Perform the ECC procedures. Perform the UIC procedures. Perform the EMF procedures Perform the ORF procedures. Perform the Purge CWO File procedures.	Unable to complete the Master Files Activity Processes.
			File Utilities Processes	Perform the Purge MUF procedures. Perform the Format Disk Tape and Erase Tape procedures.	Unable to complete the File Utilities Processes.

ITEM NO.	INTERVAL	MAN-HOUR	ITEM TO BE CHECKED OR SERVICED	PROCEDURE	EQUIPMENT NOT READY/ AVAILABLE IF:
17	During		Communications Activity Processes	Perform the Backup Files procedures. Perform the Restore Files procedures. Perform the Compress Files procedures. Perform the Clean Up Hard Disk procedures. Perform the ASCII File Extract procedures. Perform the Global UIC Modify/Delete procedures. Perform the Computer System Status procedures. Perform the Printer Status procedures. Perform the BLAST Point-to-Point procedures. Perform the COMM Monitor procedures. Perform the CAISI BLAST procedures. Perform the BLAST Concentrator procedures. Perform the Communication Configuration procedures.	Unable to complete the Communications Activity Processes.
18	During		Stopping and Suspending Work Procedures	Perform the Setting Up for Communications procedures. Perform Log out.	Unable to log out of application
19	During/After		Power-down Procedures	Power-off CPU. Power-off Printer(s). Power-off MODEM.	Unable to Power-off Server, Workstation, Printer(s), or MODEM.